UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/890,844	01/04/2002	Takeshi Kanai	6715/63310	7981

7590 12/11/2003		EXAMINER	
Jay H Maioli		CUNNINGHAM, GREGORY F	
Cooper & Dunham		ART UNIT	PAPER NUMBER
1185 Avenue of Americas		2676	
New York, NY 10036			

DATE MAILED: 12/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/890,844	KANAI ET AL.
	Examiner	Art Unit	
	Greg Cunningham	2676	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>04 January 2002</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-52* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-52* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>04 January 2002</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

13)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

    a) ☐ The translation of the foreign language provisional application has been received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

1.   This action is responsive to communications of application filed 1/4/2002.

2.   The disposition of the claims is as follows: claims 1-52 are pending in the application.

Claims 1, 6, 12, 15, 18-20, 29, 37 and 45 are independent claims.

3.   The group and/or Art Unit location of your application has changed. To aid in the

correlation of any papers for this application, all further correspondence should be directed to

Group Art Unit 2676 (effective 12/03). Please be sure to use the most current art unit number on

all correspondence to help us route your case and respond to you in a timely fashion.

Drawings

4.   The drawings are objected to because Figs. 2A-8C, 10, 11 and 14 need translation. A

proposed drawing correction or corrected drawings are required in reply to the Office action to

avoid abandonment of the application. The objection to the drawings will not be held in

abeyance.

Specification

5.   The abstract of the disclosure is objected to because "information including at least" is

shown twice beginning in the second sentence. Correction is required. See MPEP § 608.01(b).

6.   The disclosure is objected to because of the following informalities: On page 2, third

paragraph, "characters" is shown twice at "characters or characters, figures or symbols".

        Appropriate correction is required.

7.   The disclosure is objected to because of the following informalities: On page 10, third

paragraph, at "as shown in Figs.1A to 1C"; There is no Fig. 1C.

Appropriate correction is required.

Claim Rejections - 35 USC § 101

8.   35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

9.   Claims 1, 6, 12, 15, 18-20, 29, 37 and 45 are rejected under 35 U.S.C. 101 because the

claimed invention lacks patentable utility. The information processing method claimed may very

well be subjectively analyzing, determining (tape measure) and then hanging or attaching

(generating) a drawing to a wall (real display) relative to other drawings. Nothing is mention in

the claims with respect to a computer, computer display screen or real display associated with

said computer. For example, lacking patentable utility is that which is frivolous, fraudulent,

against public policy, etc. See MPEP §§ 706.03(a) and 2105- 2107.03.

Claim Rejections - 35 USC § 102

10.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 5 2

are rejected under 35 U.S.C. 102(b) as being disclosed by Kaji et al., (US Patent

5,813,018), hereafter Kaji.

A.   Claim 1, "An information processing method comprising: analyzing the drawing

information at least including the information of at least one object that can be displayed and the

layout designating information for specifying a relative position direction with respect to the

direction of arranging said object [col. 3, lns. 56-66]; determining a relative placing position of

said object in a desired drawing area based on the layout definition information corresponding to

the layout designating information obtained on analysis of said drawing information [col. 3, ln.

66 – col. 4, ln. 6]; and generating the real display position information corresponding to the

relative placing position of said object responsive to said arranging direction [col. 7, lns. 25-31;

col. 7, ln. 58 – col. 8, ln. 12]" is disclosed [as detailed]. Wherein sentence and characters

correspond to objects.

B.   Claim 2, "The information processing method according to claim 1 wherein said layout

definition information includes the information indicating the size of said drawing area and

wherein the drawing area and the relative placing position of said object in said drawing area are

converted into a real display position" is disclosed supra for claim 1, particularly at "After this,

the positions of both the line segments comprising the drawing, and the display regions for the

sentences are determined according to the extracted topology and shape of information, as well

as the sizes of the display regions."

C.   Claim 3, "The information processing method according to claim 1 wherein said object is

displayed based on said real display position" is disclosed supra for claim 1.

D.   Claim 4, "The information processing method according to claim 1 wherein the relative

placing position of said object is updated responsive to a request for changing the drawing

direction of said object and wherein the updated relative placing position of said object is

converted to a real display position [col. 8, lns. 15-44; col. 18, lns. 36-53]" is disclosed supra for

claim 1 and [as detailed]. Wherein a change in x and/or y corresponds to a change in direction.

E.   Claim 5, "The information processing method according to claim 1 wherein the relative

placing position of said first object is determined based on the layout definition information of a

first object; and wherein the relative placing position of a second object is determined responsive

to the thus determined relative placing position of the first object [col. 3, lns. 16-37]" is disclosed

supra for claim 1 and [as detailed].

F.   Per independent claims 6 and 18, these are directed to an apparatus and medium,

respectively, for performing the method of independent claim 1, and therefore are rejected to

independent claim 1.

G.   Per dependent claims 7-9 and 11, these are directed to an apparatus for performing the

method of dependent claims 2-5, and therefore are rejected to dependent claims 2-5.

H.   Claim 10, "The information processing apparatus according to claim 6 further

comprising: means for inputting a request for changing the drawing direction of said object [col.

23, ln. 65 – col. 24, ln. 34]" is disclosed supra for claims 4 and 6 and as [as detailed].

I.   Claim 12, "An information processing method comprising: generating the information of

at least one object that can be displayed [col. 7, lns. 25-31; col. 7, ln. 58 – col. 8, ln. 12];

generating the layout designating information specifying the relative position direction with

respect to the arranging direction of said object [col. 3, lns. 56-66]; and generating the drawing

information at least including the object information and the layout designating information [col.

3, ln. 66 – col. 4, ln. 6]" is disclosed [as detailed].

J.   Claim 13, "The information processing method according to claim 12 wherein said layout

designating information includes the information representing the size of said drawing area" is

disclosed supra for claim 12, particularly at "After this, the positions of both the line segments

comprising the drawing, and the display regions for the sentences are determined according to

the extracted topology and shape of information, as well as the sizes of the display regions."

K.   Claim 14, "The information processing method according to claim 12 wherein said

drawing information is distributed [col. 7, ln. 42 – col. 8, ln. 12]" is disclosed supra for claim 12

and [as detailed]. Wherein "variables are assigned to both the coordinates of the start and end

points of each line segment composing a drawing, and the coordinates of the source language

sentence display region" correspond to distributed drawing information.

L.   Per independent claims 15 and 19, these are directed to a method and medium,

respectively, for performing the method of independent claim 12, and therefore are rejected to

independent claim 12.

M.   Per dependent claims 16 and 17, these are directed to a medium for performing the

method of dependent claims 13 and 14, and therefore are rejected to dependent claims 13 and 14.

N.   Claim 20, "An information processing method comprising: analyzing the drawing

information at least including the information containing at least one object that can be

displayed, the information pertinent to the size of said object in the line direction and in the line

feed direction [col. 8, lns. 15-43] and the information pertinent to the layout [col. 3, lns. 56-66];

acquiring the coordinate information pertinent to a display start position of said object in a

drawing area based on the result of analysis [col. 7, lns. 5-10]; converting the coordinate

information pertinent to said display start position based on the layout-related information

obtained by the result of said analysis [col. 7, lns. 10-31]; and converting the coordinate

information pertinent to the converted display start position into the real drawing coordinate

information on a drawing area [col. 10, ln. 60 – col. 11, ln. 12]" is disclosed [as detailed].

Wherein x and y direction correspond to line direction and in the line feed direction respectively.

O.   Claim 21, "The information processing method according to claim 20 wherein said

drawing information further includes the information pertinent to the size of said drawing area in

the line direction and in the line feed direction; the coordinate information pertinent to the

display start position converted being converted into the real drawing coordinate information in a

drawing area based on the information pertinent to the sizes in the line direction and in the line

feed direction of said drawing area [col. 11, ln. 13 – col. 12, ln. 56]" is disclosed supra for claim

20 and [as detailed].

P.   Claim 22, "The information processing method according to claim 21 wherein, if said

object is horizontally written, said real drawing coordinate information is used" is disclosed

supra for claim 21. Wherein x direction corresponds to horizontally written.

Q.   Claim 23, "The information processing method according to claim 21 wherein, if said

object is vertically written, a difference obtained on subtracting the coordinate value in the line

direction of said real drawing coordinate information from the size in the line feed direction of

said drawing area as the coordinate value in the line direction of said real drawing coordinate

information [col. 19, lns. 23-55; col. 22, ln. 46 – col. 23, ln. 8]" is disclosed supra for claim 21

and [as detailed].

R.   Claim 24, "The information processing method according to claim 20 wherein said object

is represented on display means based on the real drawing coordinate information [col. 7, lns. 5-

31]" is disclosed supra for claim 20 and [as detailed].

S.   Claim 25, "The information processing method according to claim 20 wherein, if it is

verified that a further object is to be displayed on said object, the drawing start coordinate

information of said further object is generated based on the information pertinent to the size of

said object in the line direction and in the line feed direction and on the layout-related

information" is disclosed supra for claim 20 and 22. Wherein a next character corresponds to a

next object.

T.   Claim 26, "The information processing method according to claim 25 wherein said

further object is drawn upstream or downstream of said object based on the drawing start

coordinate information of said further object" is disclosed supra for claim 25. Wherein

downstream and upstream correspond to direction of additional placed information (characters or

text).

U.   Claim 27, "The information processing method according to claim 20 wherein, if it is

verified that a decorative object is to be displayed on said object, the drawing start coordinate

information of said decorative object is generated based on the information pertinent to the size

of said object in the line direction and in the line feed direction and on the layout-related

information [col. 3, ln. 56 – col. 4, ln. 7]" is disclosed supra for claim 20. Wherein handwritten

figure corresponds to decorative object.

V.   Claim 28, "The information processing method according to claim 27 wherein decoration

is drawn upstream or downstream of said object based on the drawing start coordinate

information of said decorative object" is disclosed supra for claim 27 and 26.

W.   Per independent claims 29, 37 and 45, these are directed to a method, apparatus and

apparatus, respectively, for performing the method of independent claim 20, and therefore are

rejected to independent claim 20. Wherein

X.   Per dependent claims 30-31 and 33-36, these are directed to a method for performing the method of dependent claims 21-22 and 25-28, respectively, and therefore are rejected to dependent claims 21-22 and 25-28.

Y.   Claim 32, "The information processing method according to claim 29 wherein, if said object is a horizontally arranged object, the difference obtained on subtracting said real drawing coordinate information from the size in the line feed direction of said drawing area is used as the coordinate value in the line direction of said real drawing coordinate information" is disclosed supra for claim 29, 22 and 23.

Z.   Per dependent claims 38-44 and 46-52, these are directed to an apparatus and apparatus for performing the method of dependent claims 30-44 and 21-28, respectively, and therefore are rejected to dependent claims 30-44 and 21-28.

Citation of Pertinent Prior Art

11.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

U. S. Patent No.	Issued	Class	Applicant(s)
US 20020013693 A1	20020131	704/2	FUJI, MASARU
US 6065021 A	20000516	715/502	George, Paul A.
US 5381523 A	19950110	715/513	Hayashi, Koichi
US 6590674 B1	20030708	358/1.18	Orton, David A.
US 6026417 A	20000215	715/517	Ross, Benjamen E. et al.
US 5398311 A	19950314	345/471	Seto, Kunio

US 5796401 A   19980818   345/619   Winer, Peter W.

Responses

12.   Responses to this action should be mailed to: Commissioner of Patents and Trademarks,

Washington, D.C. 20231. If applicant desires to fax a response, (703) 308-9051 may be used for

formal communications or (703) 308-6606 for informal or draft communications.

Please label "PROPOSED" or "DRAFT" for informal facsimile communications. Hand-

delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA.,

Sixth Floor (Receptionist).

Inquiries

13.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Greg Cunningham whose telephone number is (703) 308-6109.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Bella, can be reached on (703) 308-6829.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,

Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

J.F. Cunningham

gfc

December 2, 2003

Matthew C. Bella

MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600